zenith

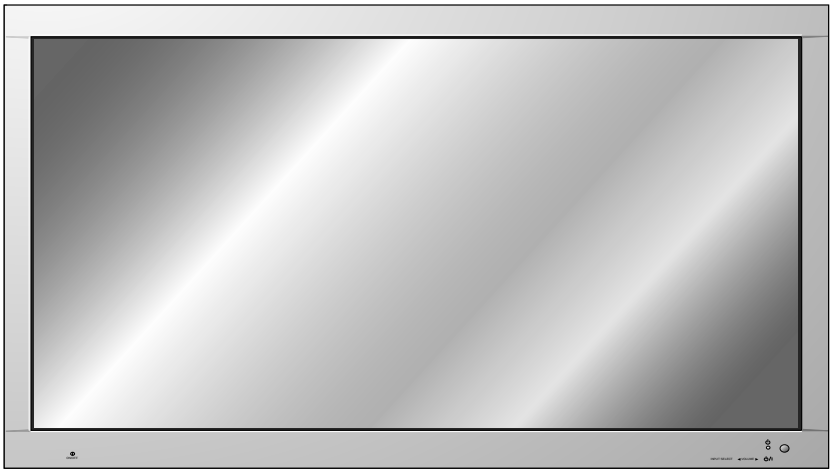
PLASMA DISPLAY PANEL

Please read this operating guide carefully before using the Monitor.
Keep the operating guide with the Monitor.
For future reference, write down the serial number on the back of the
Monitor in the space provided below.

Model number : DPDP60W
Serial number :

DPDP60W

OWNER'S MANUAL



FCC NOTICE

- **DPDP60W : A Class B digital device**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

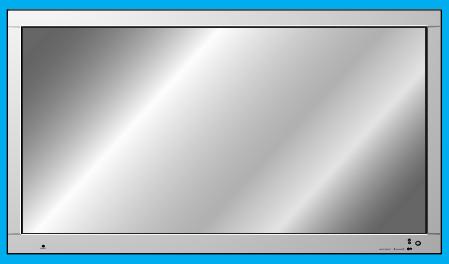
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING

This is Class B product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

WARNING

TO REDUCE THE RISK OF FIRE AND ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.



Keep this manual with Monitor for future easy reference)

Table of Contents

First step
WARNINGS 4
SAFETY INSTRUCTIONS....5

Monitor Overview
Front Panel Controls 8
Connection Panel Overview 9
Remote Control Key Functions/Accessories 10
Monitor Installation 12

Equipment Connections and Setup
VCR Setup....14
Cable TV Setup 15
External AV Source Setup 16
DVD Setup....17
DTV Setup 18
PC Setup 19
PC Computer Mode Feature Check....21
PC Computer Mode Adjustments 22
PIP function 25
Twin picture function....28
Using the remote control 30

Basic Features Setup and Operation
Turning on the Monitor 31
Selecting language for the menus....32
Checking features....33

Sleep Timer
Setting Sleep Timer (Monitor turn-off time) 34

Picture & Sound
Auto picture control 35
Adjusting picture appearance 36
DRP (Digital Reality Picture) 37
Selecting menu options 38
Adjusting Sound: Bass, Treble, Balance 39
Auto sound control 40
AVL (Auto volume leveler) 41

Special Features
Using Still function 42
Adjusting OSD Transparency 43
Setting picture format 44

Others
Maintenance 45
Troubleshooting check list 46
Product specifications....47

WARNINGS

WARNING
RISK OF ELECTRIC SHOCK
DO NOT OPEN

WARNING:

TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE.
REFER TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING:

TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

CAUTION:

TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

CAUTION:

Do not attempt to modify this product in any way without written authorization from Zenith Electronics Corporation. Unauthorized modification could void the user’s authority to operate this product.
The responsible party for this device compliance is:
Zenith Electronics Corporation
201 James Record Road
Huntsville, AL 35824, USA
1-877-993-6484

SAFETY INSTRUCTIONS

Important safeguards for you and your new product

Your product has been manufactured and tested with your safety in mind. However, improper use can result in potential electrical shock or fire hazards. To avoid defeating the safeguards that have been built into your new product, please read and observe the following safety points when installing and using your new product, and save them for future reference.

Observing the simple precautions discussed in this booklet can help you get many years of enjoyment and safe operation that are built into your new product.

This product complies with all applicable U.S. Federal safety requirements, and those of the Canadian Standards Association.

1. Read Instructions

All the safety and operating instructions should be read before the product is operated.

2. Follow Instructions

All operating and use instructions should be followed.

3. Retain Instructions

The safety and operating instructions should be retained for future reference.

4. Heed Warnings

All warnings on the product and in the operating instructions should be adhered to.

5. Cleaning

Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

6. Water and Moisture

Do not use this product near water, for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool.

7. Accessories Carts and Stands

Do not place this product on a slippery or tilted surface, or on an unstable cart, stand, tripod, bracket, or table. The product may slide or fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

8. Transporting Product

A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.

PORTABLE CART WARNING

9. Attachments

Do not use attachments not recommended by the product manufacturer as they may cause hazards.

10. Ventilation

Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered.

(Continued on next page)

SAFETY INSTRUCTIONS

(Continued from previous page)

The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

11. Power Sources

This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.

12. Power-Cord Polarization

This product is equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

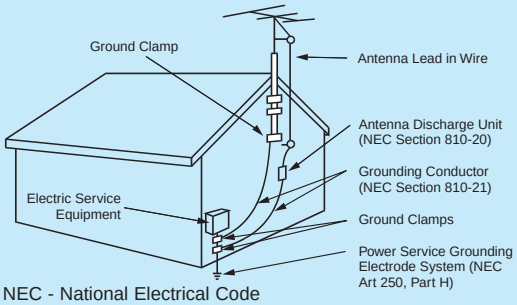
13. Power-Cord Protection

Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

14. Outdoor Antenna Grounding

If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code (U.S.A.), ANSI/ NFPA 70 provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

Example of Grounding According to National Electrical Code Instructions


Ground Clamp
Antenna Lead in Wire
Antenna Discharge Unit (NEC Section 810-20)
Grounding Conductor (NEC Section 810-21)
Electric Service Equipment
Ground Clamps
Power Service Grounding Electrode System (NEC Art 250, Part H)

NEC - National Electrical Code

15. Lightning

For added protection for this product (receiver) during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.

16. Power Lines

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

17. Overloading

Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.

18. Object and Liquid Entry

Never push objects of any kind into this

product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

19. Servicing

Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

20. Damage Requiring Service

Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

a. If the power-supply cord or plug is damaged.
b. If liquid has been spilled, or objects have fallen into the product.
c. If the product has been exposed to rain or water.
d. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
e. If the product has been dropped or the cabinet has been damaged.
f. If the product exhibits a distinct change in performance.

21. Replacement Parts

When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

22. Safety Check

Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

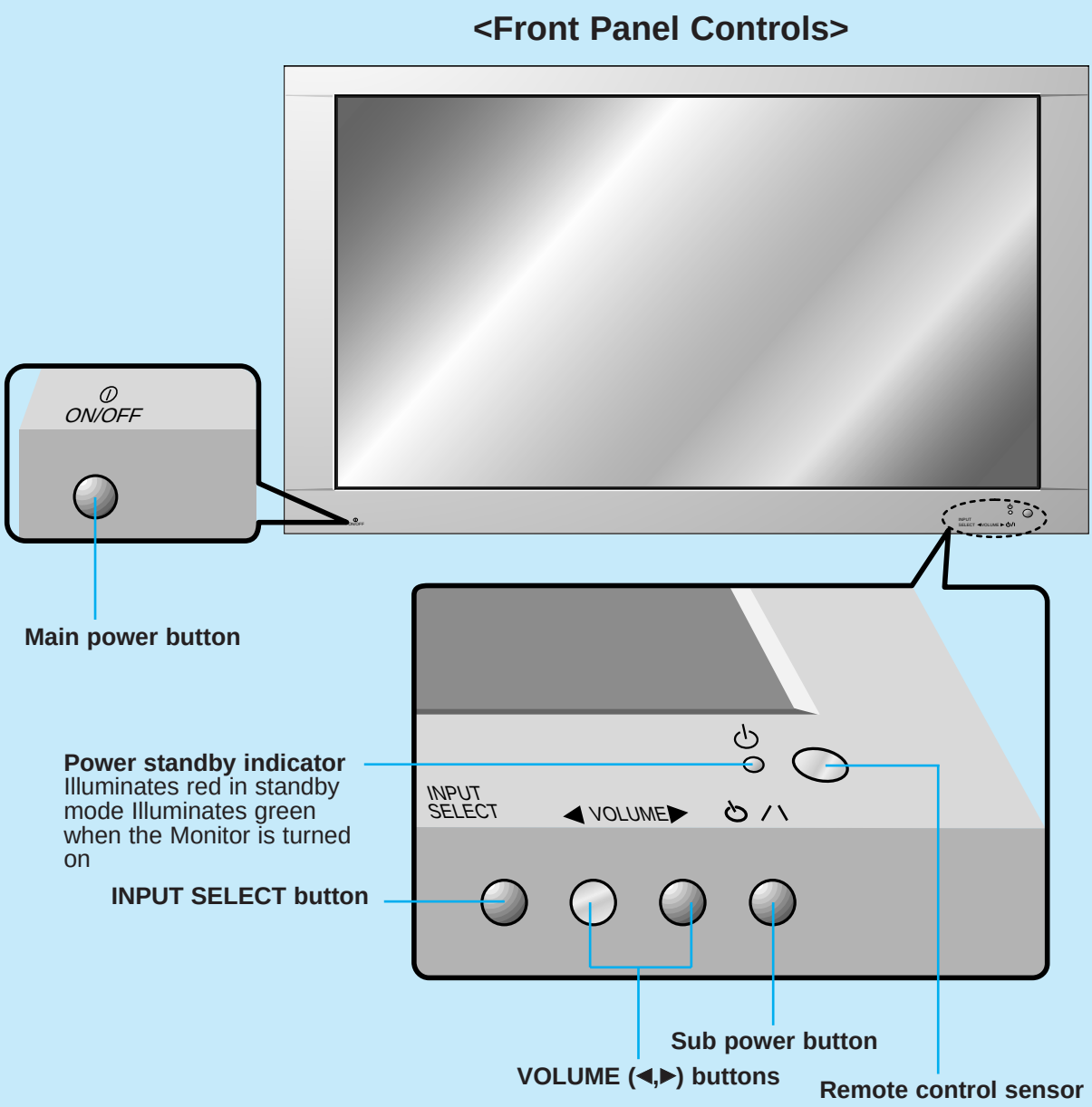
23. Wall or Ceiling Mounting

The product should be mounted to a wall or ceiling only as recommended by the manufacturer. The product may slide or fall, causing serious injury to a child or adult, and serious damage to the product.

24. Heat

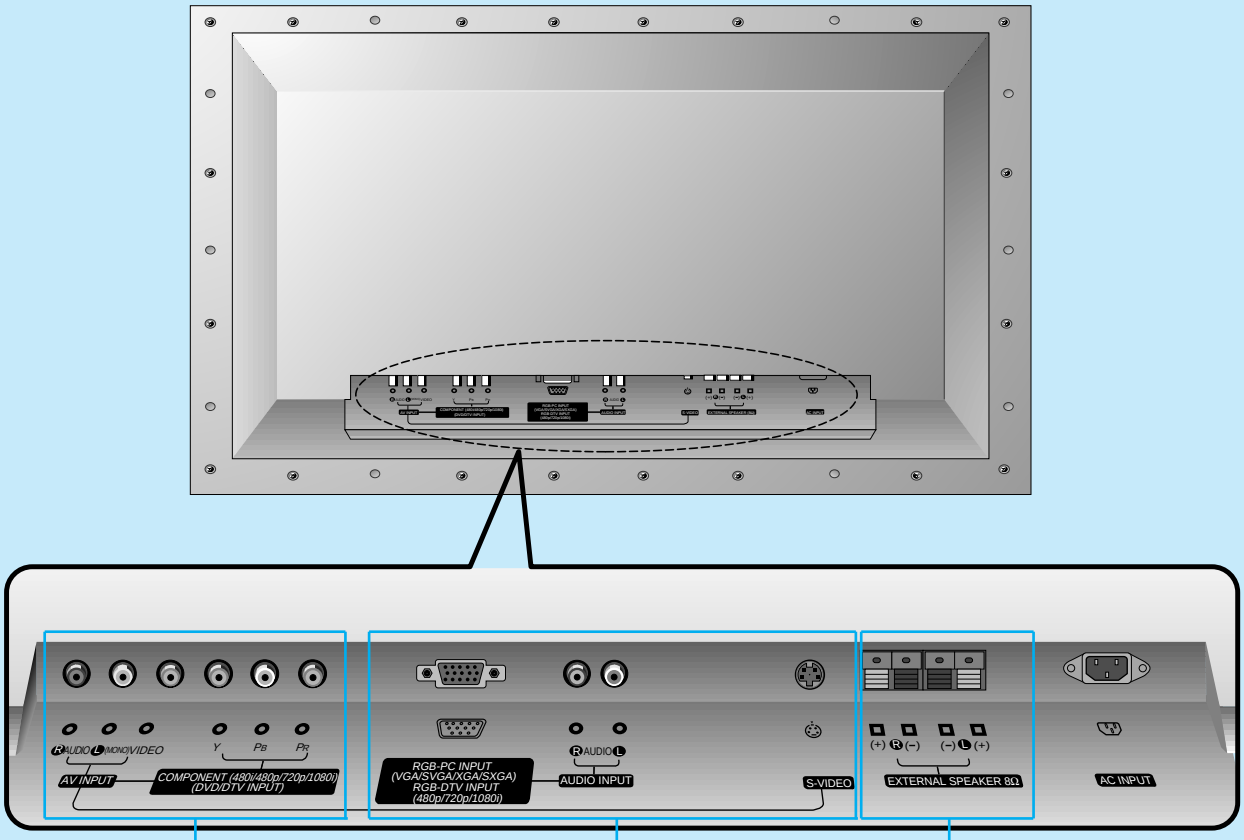
The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

Front Panel Controls



Connection Panel Overview

<Back Panel>



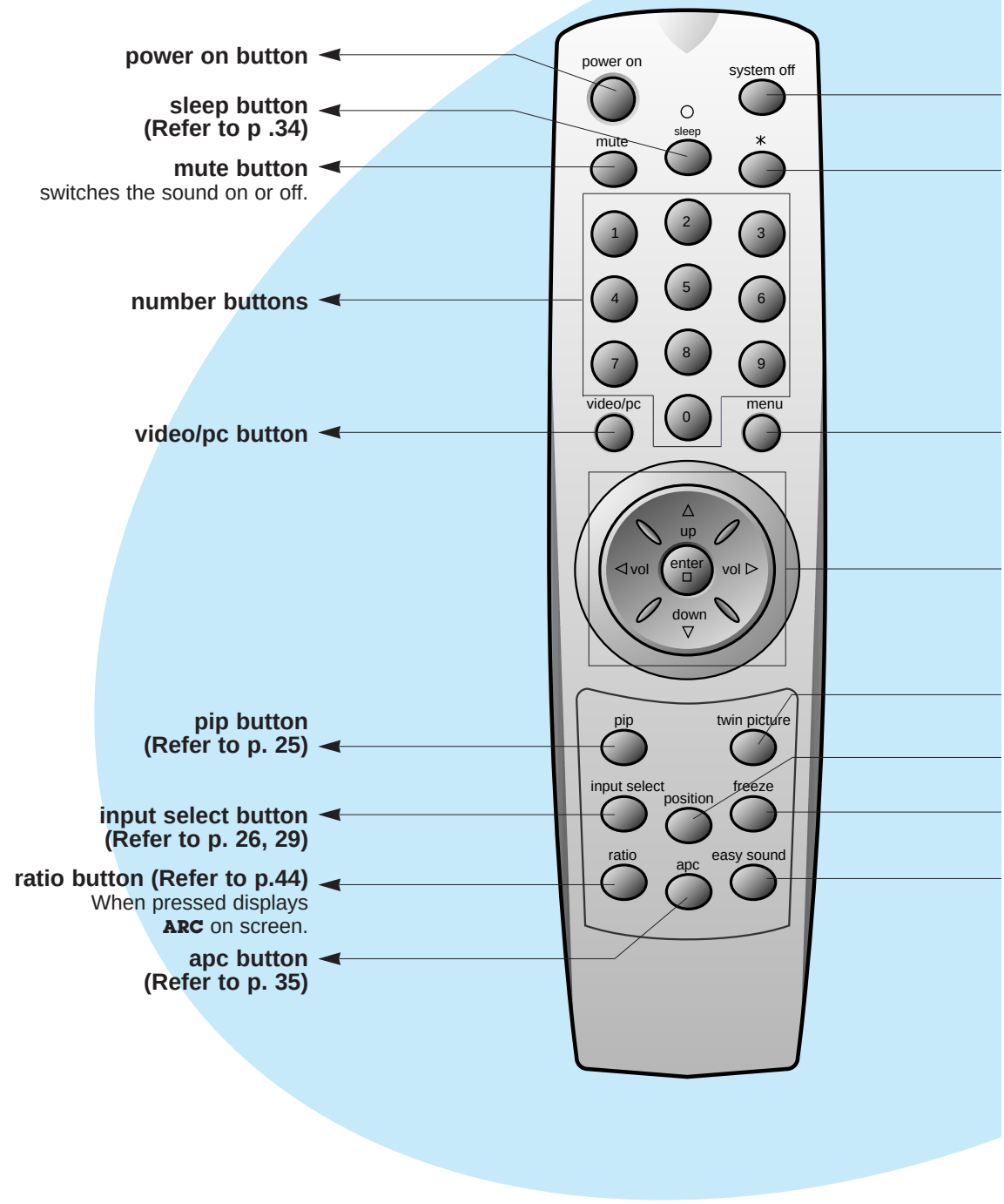
A/V INPUT /
COMPONENT (480i/480p/720p/1080i)
DVD/DTV INPUT jacks

EXTERNAL SPEAKER
(8 ohm output)

RGB-PC INPUT (VGA/SVGA/XGA/SXGA)
RGB-DTV INPUT (480p/720p/1080i) /
AUDIO INPUT jacks

Remote Control Key Functions/Accessories

- When using the remote control aim it at the remote control sensor on the Monitor.

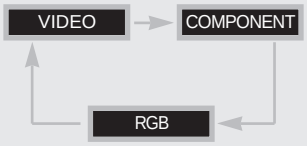


system off button

No function

INPUT SELECT button on the remote control

Each press of this button changes the mode as shown below.



menu button

enter button
up/down buttons
vol buttons

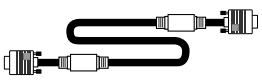
twin picture button (Refer to p. 28)
When pressed displays **DW** on screen.

position button (Refer to p. 26)

freeze button (Refer to p. 42)

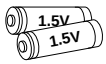
easy sound button (Refer to p. 40)
When pressed displays **DASP** on screen.

Accessories


D-sub 15 pin cable

Power cord

Owner's Manual



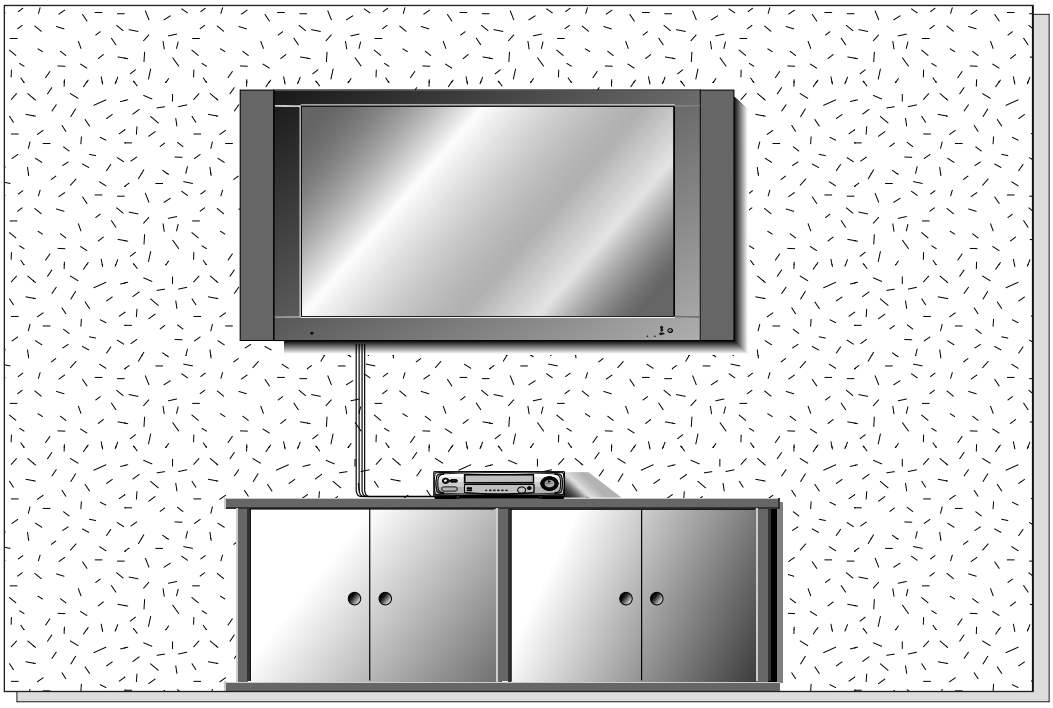
Alkaline batteries

Remote control

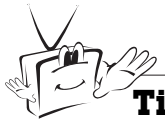
Monitor Installation

- **1. It is recommended that this product only be used at an altitude of less than 6562 feet (2000m) to get the best quality picture and sound.**
- **Your DPDP60W (Monitor) can be installed on a wall as shown below, or on a desktop pedestal as shown on the next page.**

Wall Mount Installation



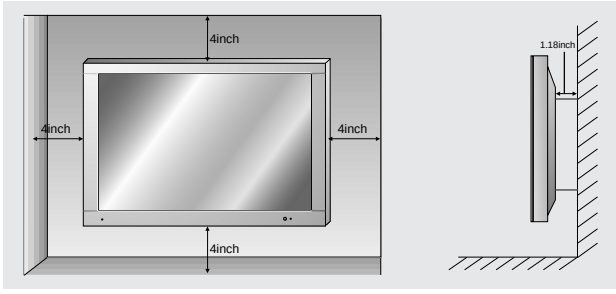
- The monitor can be installed on the wall as shown above.
  (For further information, refer to the optional '(Tilt) wall mounting bracket Installation and Setup Guide'.)



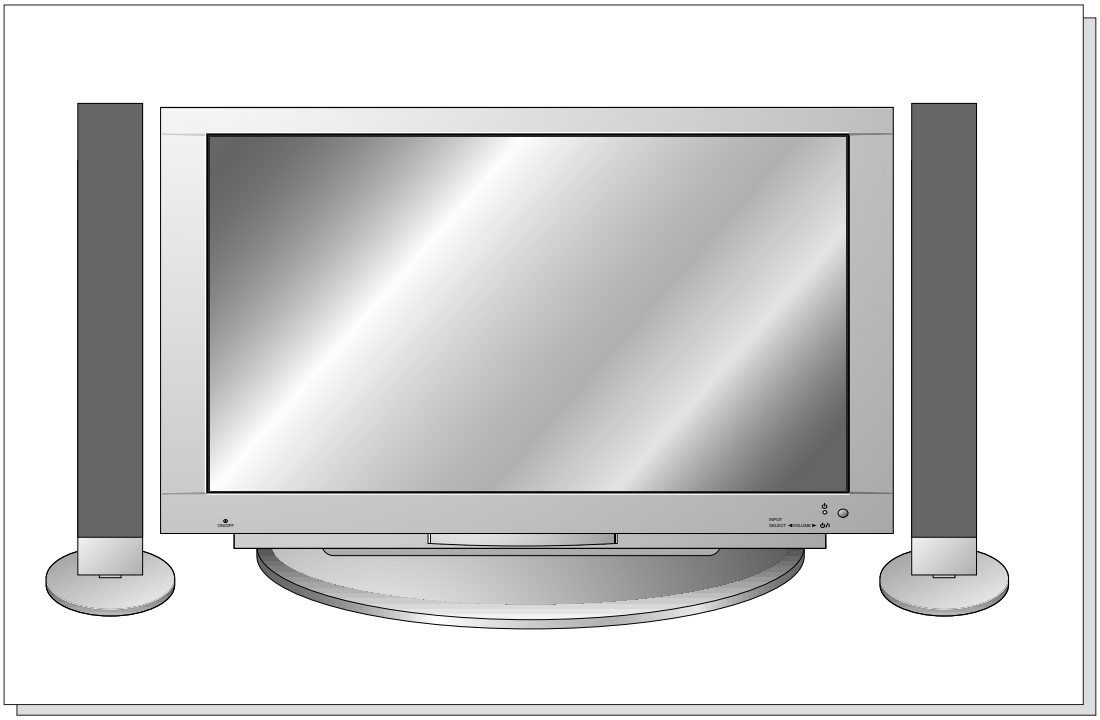
Tips

- Install this monitor only in a location where adequate ventilation is available.

a. (Wall mount minimum allowable clearances for adequate ventilation)

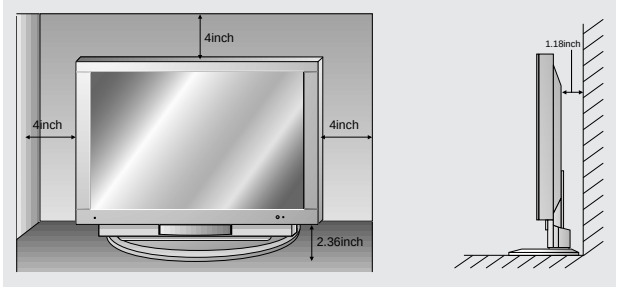


Desktop Pedestal Installation



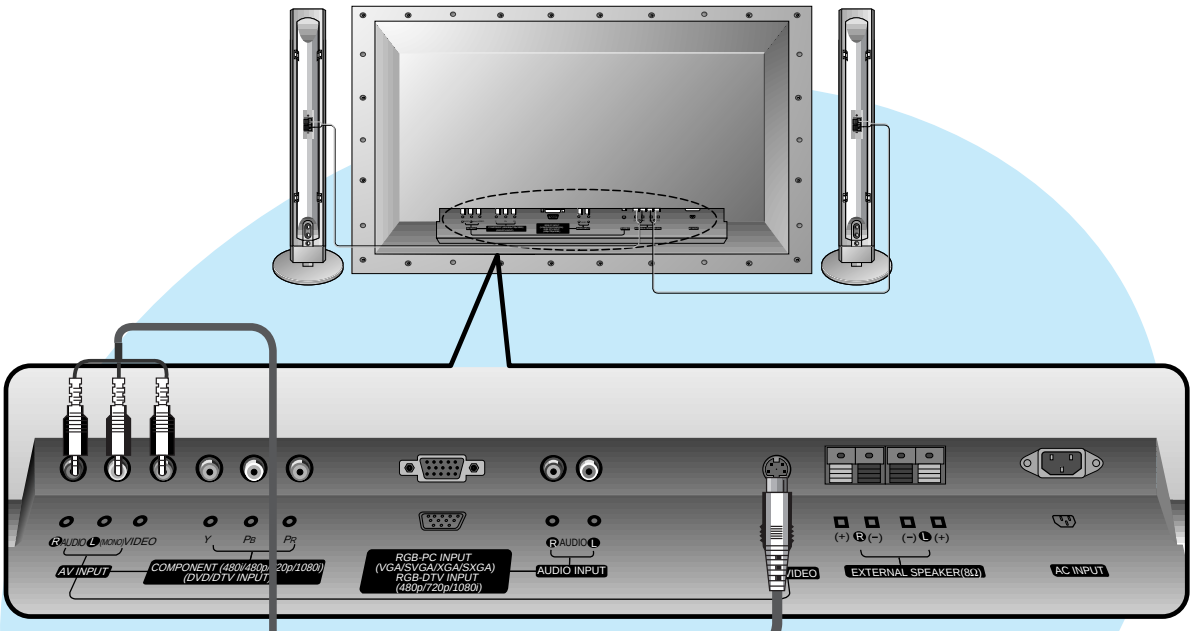
- The Monitor can be installed on a desk as shown above.
  (For further information, refer to the optional 'Desktop Stand Installation and Setup Guide'.)

b. (Pedestal mount minimum allowable clearances for adequate ventilation)

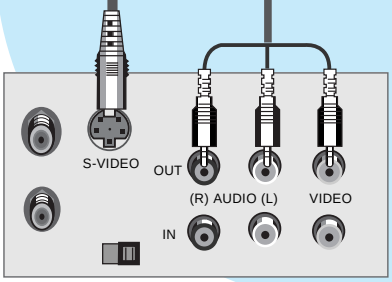


VCR Setup

- **As shown below, when connecting the Monitor to a VCR, match the colors of AV input jacks on the Monitor with the output jacks on the VCR: Video = yellow, Audio (Left) = white, Audio (Right) = red.**
- **If you have a mono VCR, connect the audio cable from the VCR to the AUDIO(L/MONO) input of the Plasma Monitor.**
- **If you connect an S-VIDEO VCR to the S-VIDEO input, the picture quality is improved; compared to connecting a regular VCR to the Video input.**
- **Avoid having a fixed image remain on the screen for a long period of time. Typically a frozen still picture from a VCR, or if a CH label is present; the fixed image may remain visible on the screen.**



< Back panel of the Monitor >



< Back panel of VCR >

To watch VCR

video/pc

1 Press **video/pc** button on the remote control and select **VIDEO**.

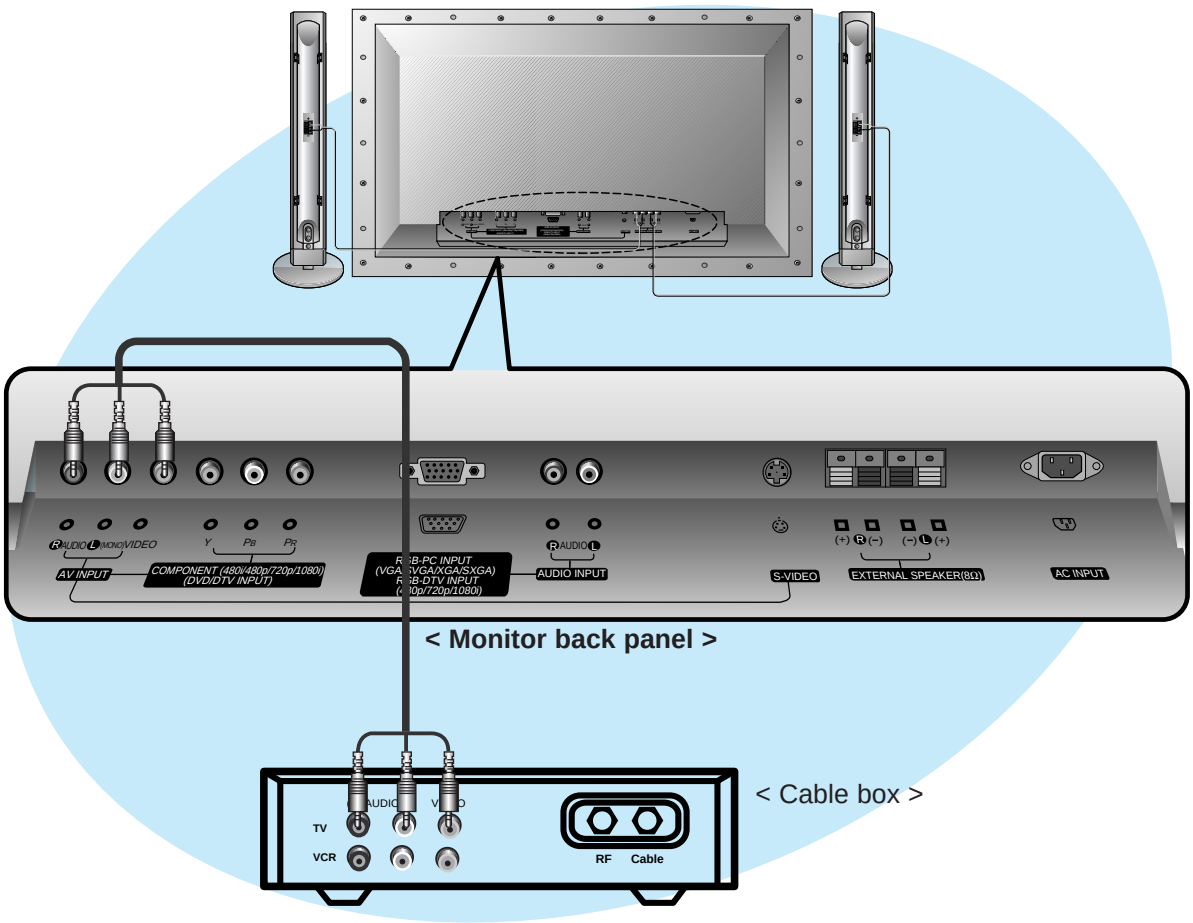
2 Insert a video tape into the VCR and press the **PLAY** button on the VCR. See VCR owner's manual.

Tips

- To avoid picture noise (interference), leave an adequate distance between the VCR and monitor.

Cable TV Setup

- **After subscribing to a cable TV service from a local provider and installing a converter, you can watch cable TV programming.**



< Monitor back panel >

< Cable box >

To watch cable TV

1 Press **video/pc** button on the remote control and select **VIDEO** source.

video/pc

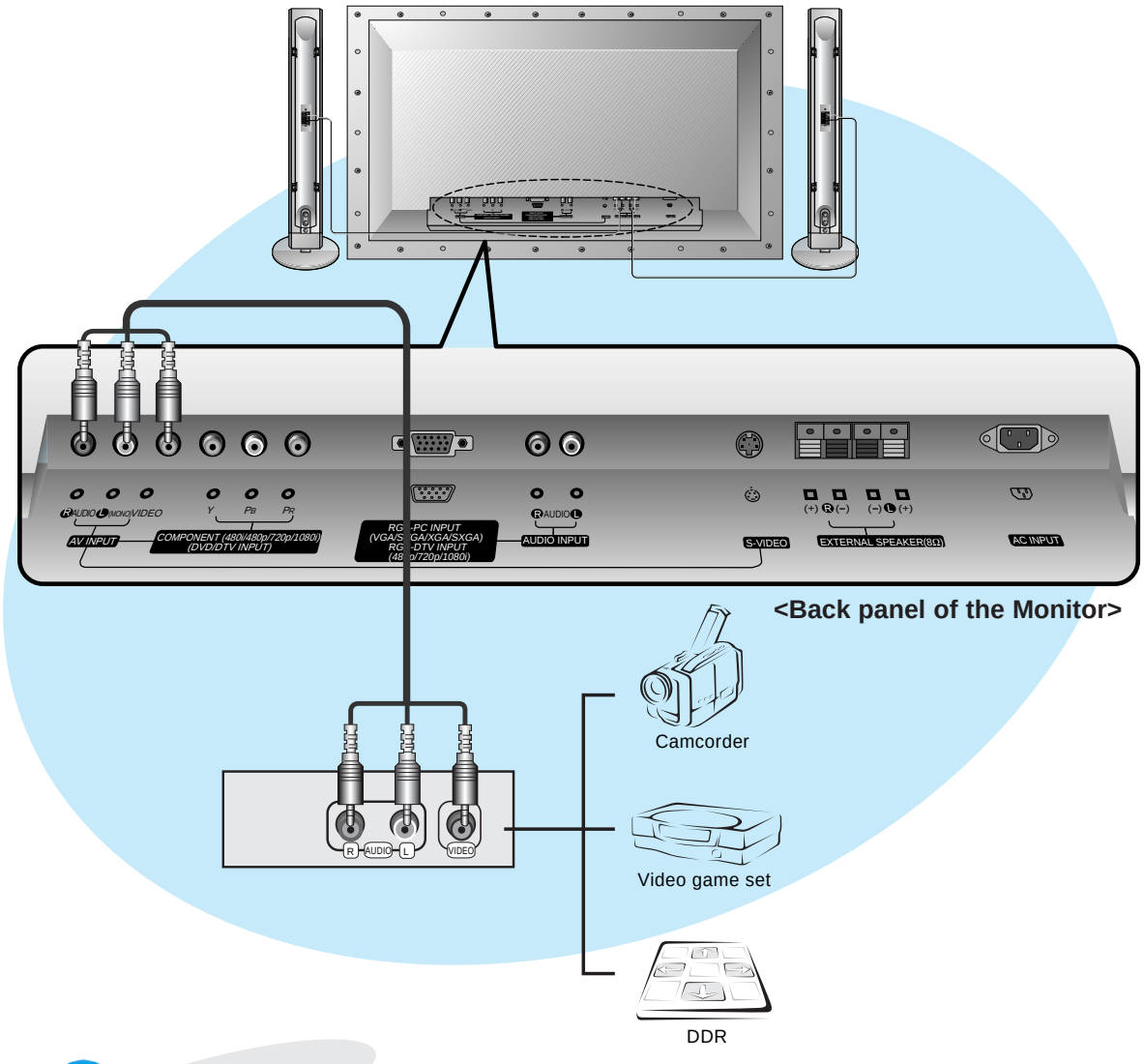
2 Tune to cable service provided channels using the cable box.

Tips

- For further information regarding cable TV service, contact your local cable TV service provider(s).

External AV Source Setup

- **As shown below, when connecting the Monitor to an external source, match the colors of AV input jacks on the Monitor with the output jacks on the audio/video equipment: Video = yellow, Audio (Left) = white, Audio (Right) = red.**



<Back panel of the Monitor>

To watch external AV source

1 Press **video/pc** button on the remote control of the monitor to select **VIDEO**.

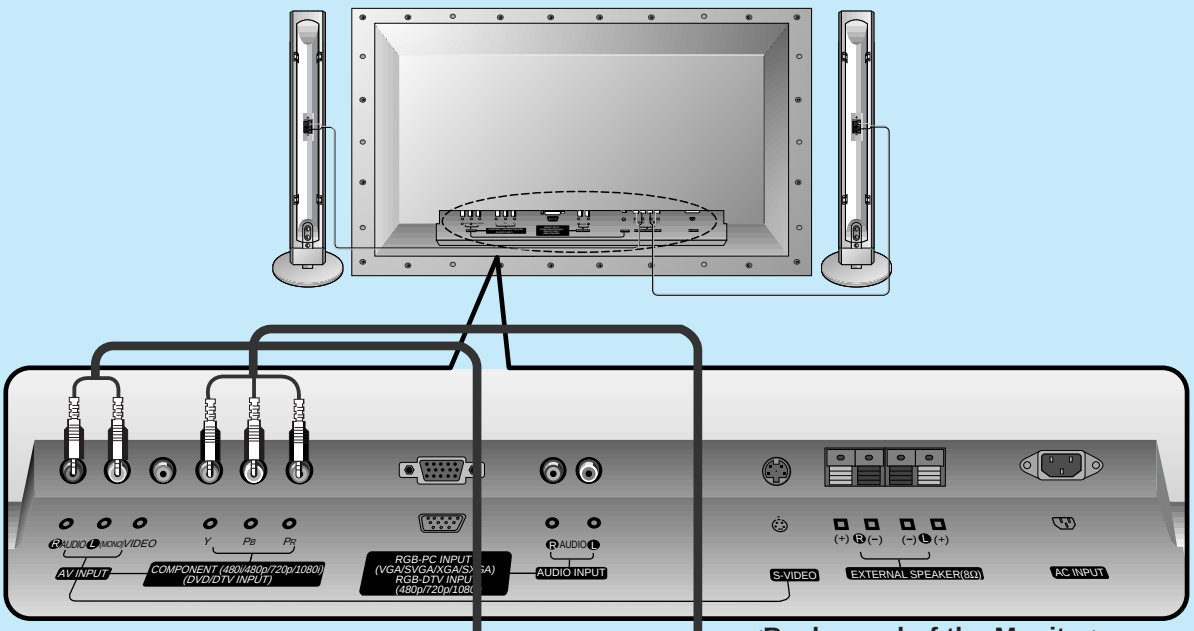
video/pc

2 Operate the corresponding external equipment. See external equipment operating guide.

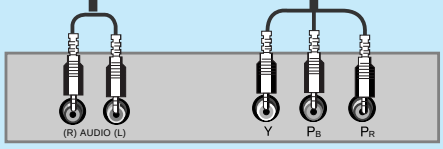
DVD Setup

How to connect a DVD (digital video disk player)

- Connect DVD video inputs to Y, P_B, P_R of COMPONENT (480i/480p/720p/1080i) (DVD/DTV INPUT) and audio inputs to Audio sockets of AV INPUT.



<Back panel of the Monitor>



< Back panel of a DVD player>

How to use

- Turn on the DVD player, and insert a DVD.
- Press **video/pc** button on the remote control of the monitor to select **COMPONENT**. Use DVD to play DVD, see DVD owner's manual.

- **Component Input ports**
  Connect DVD player jacks to Monitor Component input jacks as indicated below.

Component ports of the Monitor	Y	P_B	P_R

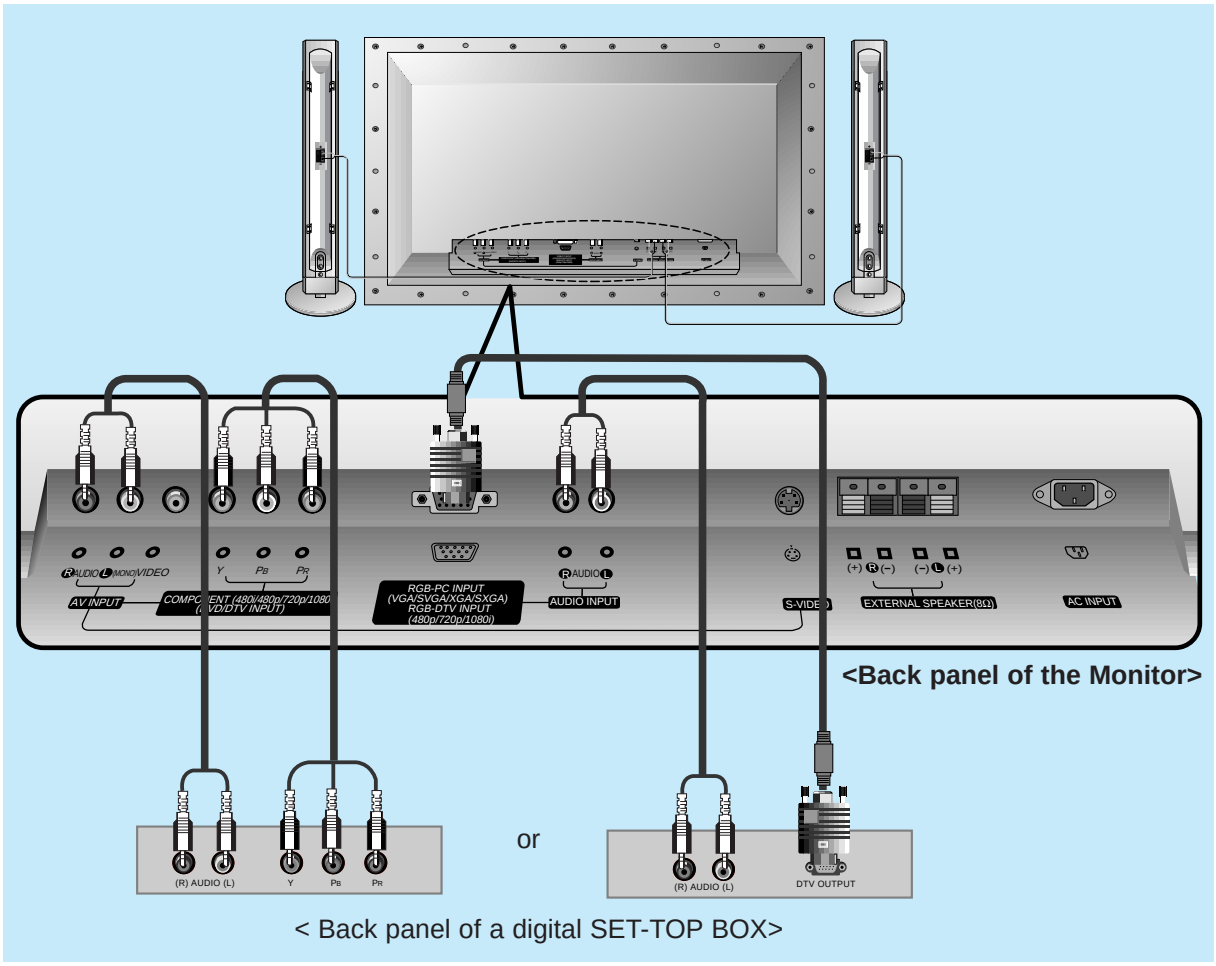
Video output ports of DVD player	Y	Pb	Pr
	Y	B-Y	R-Y
	Y	Cb	Cr
	Y	P_B	P_R

DTV Setup

- **To watch digitally broadcast programs, purchase/connect a digital SET-TOP BOX.**
- **You can select only the 16:9 picture format in DTV 720p/1080i mode.**

How to connect a user-supplied Digital Set-top Box

- Connect DTV video inputs to Y, P_B, P_R of COMPONENT (480i/480p/720p/1080i) (DVD/DTV INPUT) or RGB-PC INPUT(VGA/SVGA/XGA/SXGA) RGB-DTV INPUT(480p/720p/1080i) socket and connect DTV audio inputs to Audio sockets of AV INPUT.



<Back panel of the Monitor>

< Back panel of a digital SET-TOP BOX>

How to use

- Turn on the digital SET-TOP BOX.
  (Refer to the owner's manual for the digital SET-TOP BOX.)
- Press **video/pc** button on the remote control to select **COMPONENT** or **RGB**.

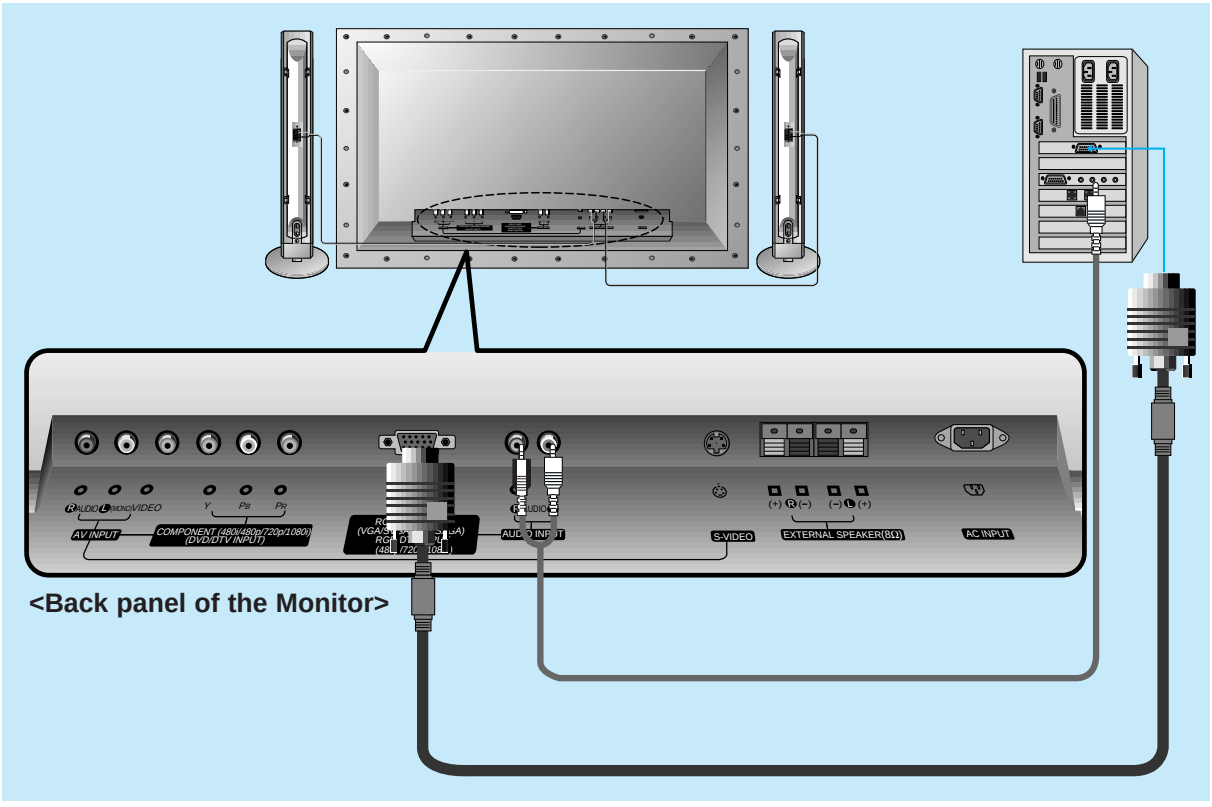
PC Setup

- **You can enjoy vivid picture and sound with connecting a PC with the Monitor.**

How to connect

Make the connections shown in the illustration below.

- Set the computer video output to under UXGA; for the best picture quality. (If the video output of the PC is not compatible with the Monitor, no picture will appear on the Monitor. See page 20.)
- As shown below, connect the video output port of the PC to the Monitor RGB-PC INPUT(VGA/SVGA/CGA/SXGA) RGB-DTV INPUT(480p/720p/1080i).
- Connect the audio out from the PC to the Audio jacks on the Monitor. (Audio cables not included with the Monitor)
- **If available, adjust PC sound to your preference.**
- Select normal monitor to use as monitor because this monitor doesn't supply plug & play function.

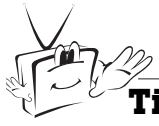


<Back panel of the Monitor>

How to use

<On the remote control>

- Press **POWER** button on the PC and press **ON/OFF** button on the Monitor. After this press ⏻/| button on the Monitor or press **power on** button on the remote control.
- Press **video/pc** button on the remote control to select **RGB**.
- Set the resolution of PC under SXGA (1280x1024, 75Hz). (Refer to page 20.)



Tips

- To avoid burning an image on the Monitor screen, don't have a still picture on the screen for a long period time.

Monitor Image Display Specifications

Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)
640x350	31.468	70.09
	37.861	85.08
720x400	31.469	70.08
	37.927	85.03
640x480	31.469	59.94
	35.000	66.66
	37.861	72.80
	37.500	75.00
	43.269	85.00
	45.913	90.03
	53.011	100.04
	64.062	120.00
800x600	35.156	56.25
	37.879	60.31
	48.077	72.18
	46.875	75.00
	53.674	85.06
	56.000	90.00
	64.016	100.00
832x624	49.725	74.55
1024x768	48.363	60.00
	56.476	70.06
	60.023	75.02
	68.677	84.99
1152x864	54.348	60.05
	63.995	70.01
	67.500	75.00
	77.487	85.05
1152x870	68.681	75.06
1280x960	60.000	60.00
	75.000	75.00
1280x1024	63.981	60.02
	79.976	75.02

PC Computer Mode Feature Check

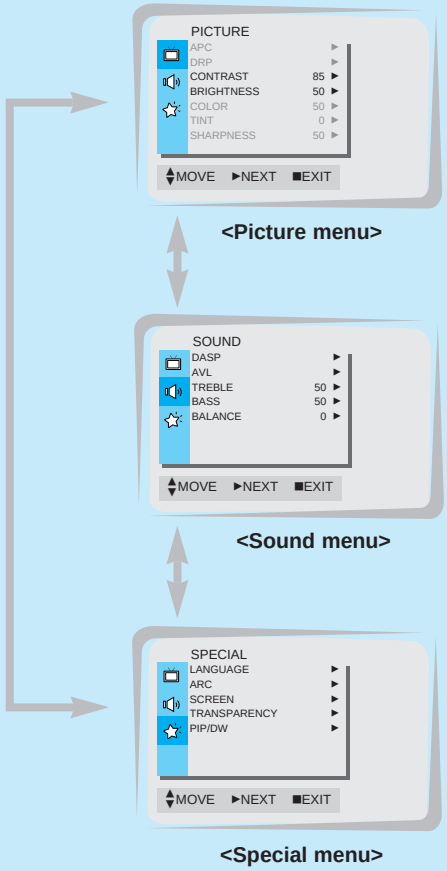
- **Select RGB first, see page 11.**

menu

1 Press the **menu** button to show menus on screen.

2 Press the **up/down** button to select menus.

- Each press will cycle through the different menus as shown below.



<Picture menu>

<Sound menu>

<Special menu>

- The PIP works in VGA, SVGA, XGA, 60Hz.
- The TWIN PICTURE works in VGA, 60Hz.

3 Press the **vol** (►) button and then press the **up/down** or **vol** button to select a feature you want to use.

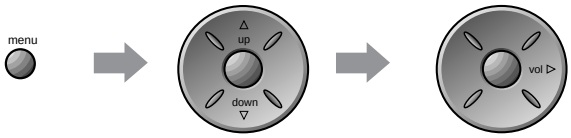
- Press the **enter** button to remove menus.

PC Computer Mode Adjustments

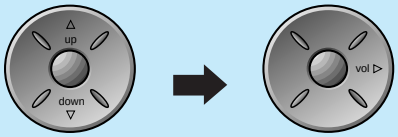
Auto adjustment

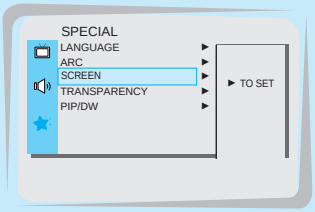
- **Automatically adjusts picture position and eliminates any image shaking.**

Press the **menu** button and then press the **up/down** button to select **SPECIAL** menu.
Press the **vol** (►) button.

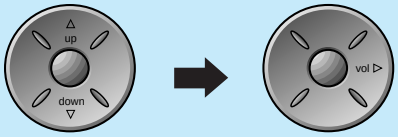


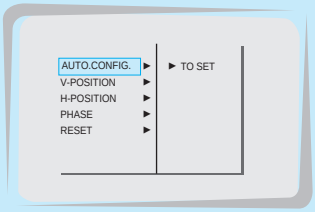
1 Press the **up/down** button to select **SCREEN** and then press the **vol** (►) button.





2 Press the **up/down** button to select **AUTO.CONFIG.** and then press the **vol** (►) button.





- When **AUTO.CONFIG.** has finished, "**OK**" will be shown on screen.
- If the position of the image is incorrect, try Auto adjustment again.

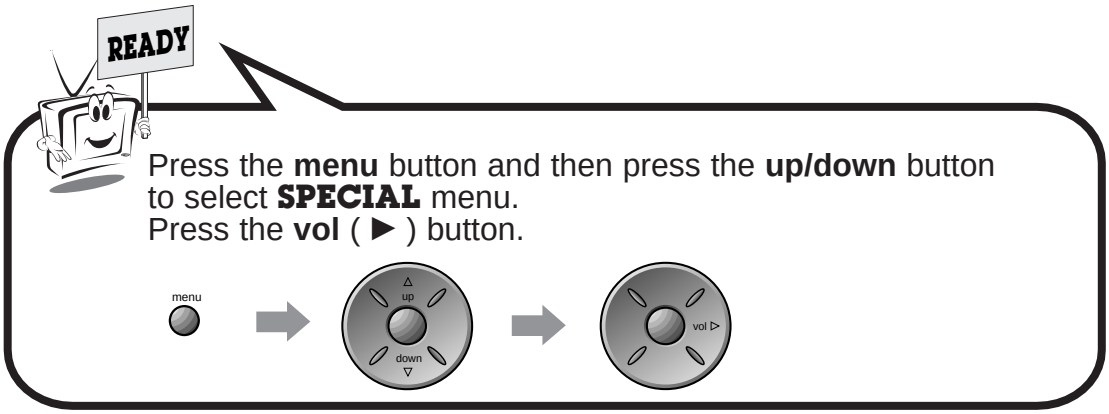
3 If picture needs to be adjusted more after Auto adjustment, adjust **H-POSITION**, **V-POSITION** and **PHASE**. See following pages.

Tips

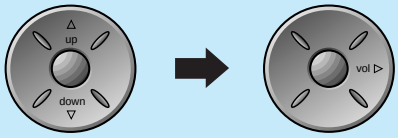
- If the image is still not correct, your Monitor is functioning properly but needs further adjustment.

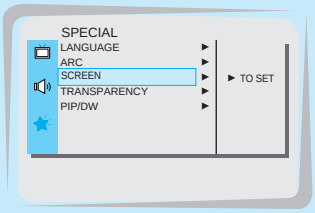
Adjusting horizontal / vertical position

- Only adjust **V-POSITION** and **H-POSITION** in DTV or component 480p/720p/1080i.

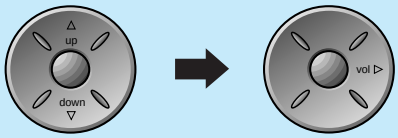


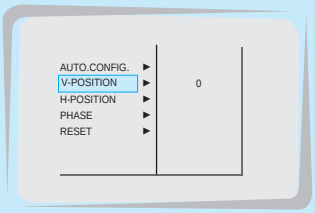
1 Press the **up/down** button to select **SCREEN** and then press the **vol** (►) button.





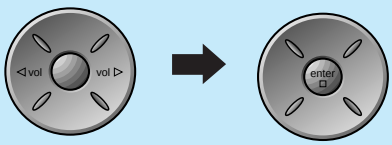
2 Press the **up/down** button to select **V-POSITION** or **H-POSITION** and then press the **vol** (►) button.





3 Press the **vol** button to adjust until you get desired horizontal or vertical position and then press the **enter** button to remove menus.

- The adjustment range of **V-POSITION** is -50 ~ +50.
- The adjustment range of **H-POSITION** is -100 ~ +100.
- Based on the input mode, the adjustment range of **V-POSITION/H-POSITION** may change.
- Based on the input signal, the position of the picture may not change even though you have adjusted the horizontal or vertical position with this function.

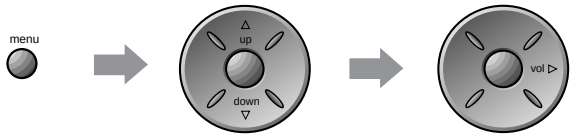


PC Computer Mode Adjustments

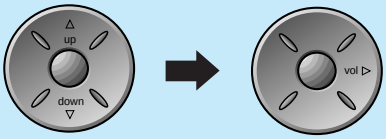
Picture Phase Adjustments

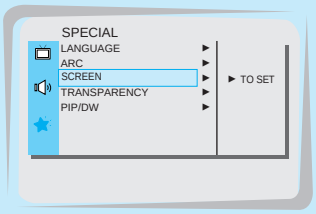
- If the picture isn't clear after auto adjustment and especially if the characters are still trembling, then adjust the picture phase manually.
- When watching PIP/TWIN PICTURE, **SCREEN** is inactivated in special menu.

Press the **menu** button and then press the **up/down** button to select **SPECIAL** menu.
Press the **vol** (►) button.

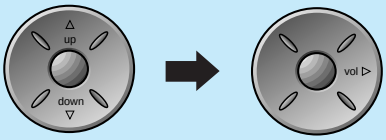


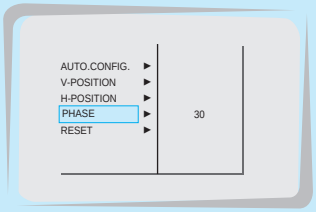
1 Use the **up/down** button to select **SCREEN** and then press the **vol** (►) button.





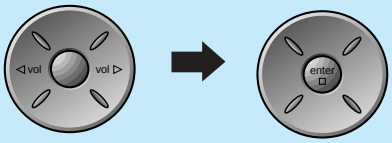
2 Use the **up/down** button to select **PHASE** and then press the **vol** (►) button.





3 Press the **vol** button to adjust phase and then press the **enter** button.

- The adjustment range of **PHASE** is 0 ~ 63.



Initializing

- To initialize the adjusted value, select **RESET** with the **up/down** button and then press the **vol** (►) button.

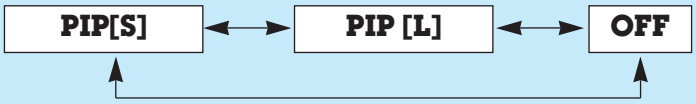
PIP function

- Select **RGB** input source before pressing PIP.
- This function works only in the following resolution;
  640x480, 800x600, 1024x768 (only in Vertical frequency 60 Hz)
- When you select RGB or DTV for main picture in PIP/Twin picture, you can watch video, cable TV or DVD for sub picture.
- Color of main picture may be different from PIP's in PIP/Twin picture mode.
- If input source for main picture is changed while in PIP/Twin picture mode, sub picture will disappear.
- When watching PIP/Twin picture, **SCREEN** option is not available in Special menu.
- With PIP active, not all picture formats can be used for the main/sub picture.

Watching the PIP (Picture in Picture)

Press the **pip** button.

- Each time you press **pip** or **vol** button, you can change the PIP size as below.



<Small PIP>

<Large PIP>

<Off>

Selecting the source input signal

input select

Press the **input select** button in PIP mode.

- Each time you press **input select** button, you toggle between **VIDEO** and **COMPONENT**.

VIDEO ⟷ **COMPONENT**

COMPONENT source only works in 480i mode.

Moving the Sub picture

position

Press the **position** button in PIP mode.

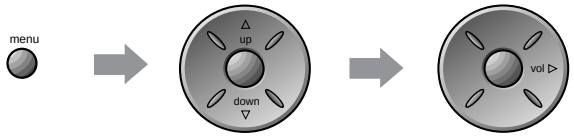
- Each press of the **position** button will change the position of the sub picture on the screen as shown below.

PIP function

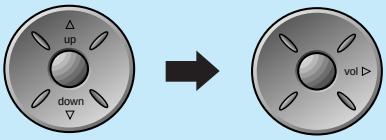
Selecting PIP sound options

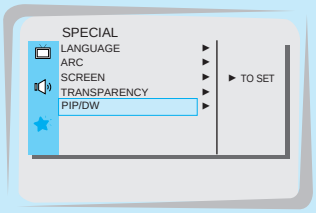
- **This function only works with the following resolutions; 640x480, 800x600, 1024x768 (only in Vertical frequency 60 Hz)**
- **To use this function, connect PC/DTV video output to RGB-PC INPUT(VGA/SVGA/XGA/SXGA) RGB-DTV INPUT (480p/720p/1080i) and connect PC/DTV audio outputs to AUDIO INPUT.**
- **SOUND SELECT is always selected SOUND[M] regardless of prior sound choice.**

Press the **menu** button and then press the **up/down** button to select **SPECIAL** menu.
Press the **vol** (►) button.

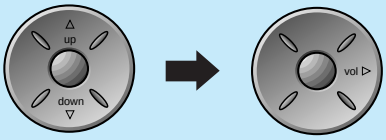


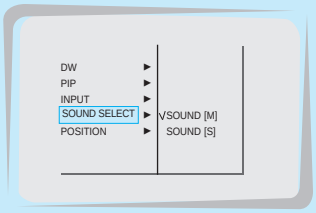
1 Use the **up/down** button to select **PIP/DW** and then press the **vol** (►) button.





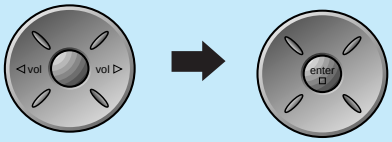
2 Use the **up/down** button to select **SOUND SELECT** and then press the **vol** (►) button.

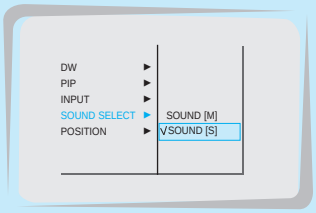




3 Press the **vol** button to select **SOUND** [**M**] or **SOUND** [**S**] and then press the **enter** button.

- Each time you press ▲ / ▼ button, you toggle between **SOUND** [**L**] or **SOUND** [**S**].





Twin picture mode

- **Select RGB input source.**
- **This function works only in the following resolutions;**
  DTV 480p/720p/1080i, RGB 640x480 (only in Vertical frequency 60 Hz)
- **With TWIN PICTURE active, not all picture formats can be used for the main/sub picture.**

Press the **twin picture** button.

- Each time you press **twin picture** or **vol** button, you can select **ON** or **OFF**.

Main picture

Sub picture

<ON>

<OFF>

- To avoid showing a fixed image on the screen, sub picture moves every 2 hours.

:Center → Upside ↓ Center ← Downside ↑ :Center

- Sub picture of TWIN PICTURE is always located in center position at first and movement of sub picture operate.
- It's not out of order even though a horizontal noise occur in blanking part of sub picture.

Selecting a source for the Twin picture

Press the **input select** button in TWIN PICTURE mode.

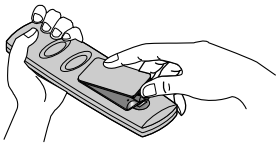
- Each time you press **input select** button, you toggle between **VIDEO** and **COMPONENT**.

VIDEO ⟷ **COMPONENT**

In case of **COMPONENT**, this function works only in 480i mode.

Using the remote control

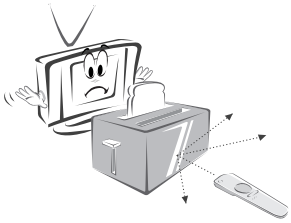
Installing batteries



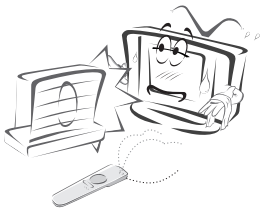
- Open the battery compartment cover on the back of the remote control and insert the batteries with correct polarity, match “+” with “+”, and match “-” with “-”.
- Install two 1.5V “AA” alkaline batteries.
  Don’t mix the used batteries with new batteries.

Notes for using the remote control

Make sure these are no objects between the remote control and its sensor.



Don’t place the remote control near a heater or damp place. Strong impact on the remote control may cause operation failure.



Signal from the remote control may be disturbed by sun light or other strong light. In this case, turn the set to other direction.

Turning on the Monitor

- **When using the remote control, aim it at its sensor on the Monitor.**

Turning on the Monitor just after installation

1 Connect power cord correctly.

2 Press the **ON/OFF** button on the Monitor. At this moment, the Monitor is switched to standby mode. Press the ⏻/I or **INPUT SELECT** button on the Monitor or press the **power on** or **video/pc** button on the remote control and then the Monitor will be switched on.

Turning on the Monitor (power cord is still connected)

1 **If the Monitor is turned off with the ⏻/I button on the Monitor**

Press the ⏻/I or **INPUT SELECT** button on the Monitor or press the **power on** or **video/pc** button on the remote control and then the Monitor will be switched on.

2 **If the Monitor is turned off with the ON/OFF button on the Monitor**

- Press the **ON/OFF** button on the Monitor to turn on the Monitor.

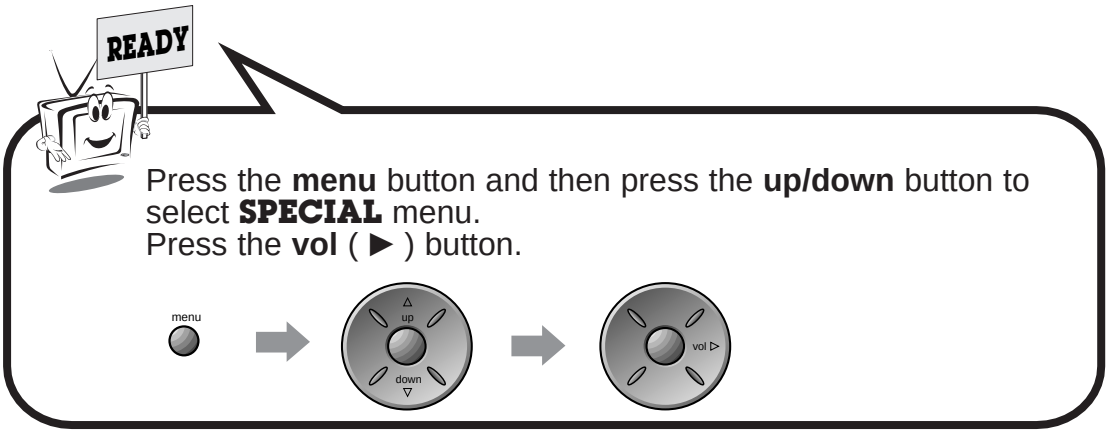
3 **If the Monitor is turned off with the remote control and also the ON/OFF button on the Monitor**

- Press the **ON/OFF** button on the Monitor and then press the ⏻/I or **INPUT SELECT** button on the Monitor or press the **power on** or **video/pc** button on the remote control and then the Monitor will be switched on.

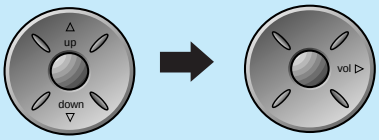
Tips

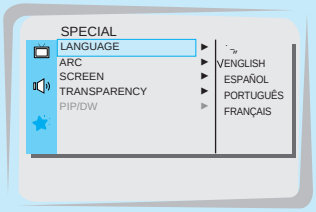
- **Adjusting volume level**
  Volume(▶) button increases the sound and volume(◀) button decreases the sound.

Selecting language for the menus

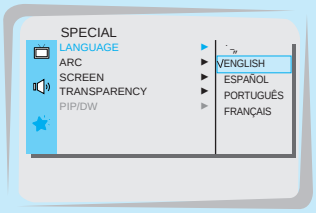


1 Press the **up/down** button to select **LANGUAGE** and then press the **vol** (►) button.

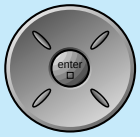




2 Press the **up/down** button to select the desired language.



3 Press the **enter** button.



Checking features

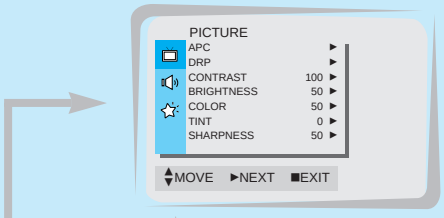
- Make sure to select **VIDEO** before operating.

menu

1 Press the **menu** button.

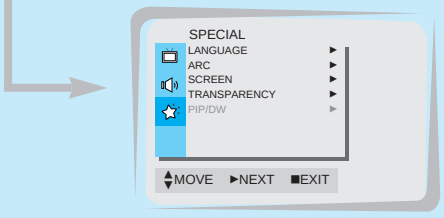
2 Press the **up/down** button.

- Each press will cycle through the menus shown below.



<Picture menu>

<Sound menu>



<Special menu>

3 Press the **vol** (►) button and then press the **up/down** or **vol** button to select a function you want to use.

- Press the **enter** button to remove menus.

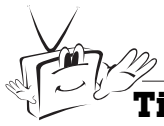
Setting Sleep Timer

< Sleep Timer turns the Monitor off after a preset time >

Press the **sleep** button to set sleep time.
Each time you press **sleep** button, the next preset setting time is changed as shown below.

◄--- ► ▶ ◄10 ► ▶ ◄20 ► ▶ ◄30 ►
▲ ▼
◄240 ►
▲
◄180 ► ◀ ◄120 ► ◀ ◄90 ► ◀ ◄60 ►

- To release sleep time setting, press the **sleep** or **vol** button repeatedly to select ◄--- ►.
- '⚠ **SLEEP 1**' is displayed, one minute before the Monitor is due to switch off.



Tips

- When the sleep time you want is displayed on the screen, don't press the **sleep** button. After 20 seconds, the screen display disappears and sleep time is set.
- To check remaining sleep time after setting, press the **sleep** or **enter** button just once.
- If you turn the Monitor off after setting the sleep timer, the setting is erased. The sleep timer will then have to be set again.

Auto picture control

< Use APC to set the Monitor for the best picture appearance >

- **APC is not available in RGB, PIP/TWIN PICTURE modes.**

APC (Auto Picture Control)

1 Press the **apc** button.

2 Press the **apc** or **vol** button to select your desired picture condition.

- Each press of **vol** button changes the screen display as shown below.

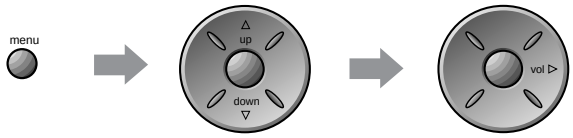
CLEAR ⟷ **SOFT** ⟷ **USER**

- You can also select **CLEAR**, **SOFT** or **USER** in the **PICTURE** menu.

Adjusting picture appearance

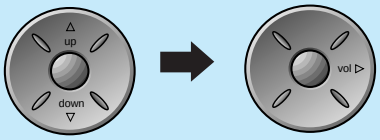
- **PIP and Twin picture inset settings are not adjustable.**

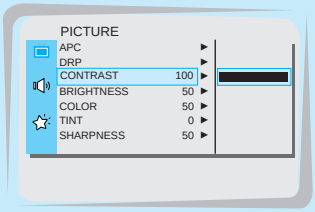
Press the **menu** button and then press the **up/down** button to select **PICTURE** menu.
Press the **vol** (▶) button.



1

Press the **up/down** button to select **CONTRAST** and then press the **vol** (▶) button. (in case of adjusting contrast)



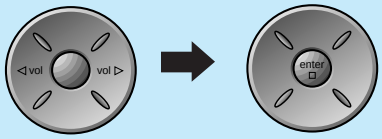


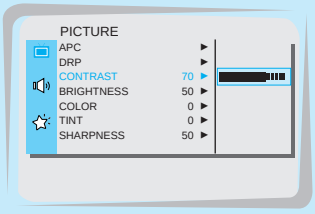
- Adjust **BRIGHTNESS**, **COLOR**, **TINT** and **SHARPNESS** in the same way.

2

Use the **vol** button to make appropriate adjustments and then press the **enter** button.

- Press the **up/down** button to select other items.



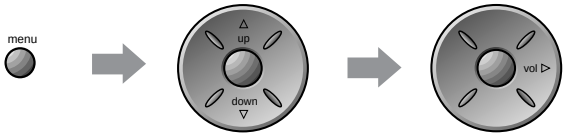


DRP (Digital Reality Picture)

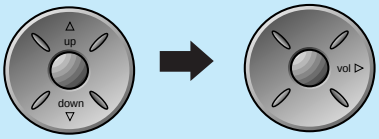
< DRP allows you to select Clear or Soft for your picture appearance >

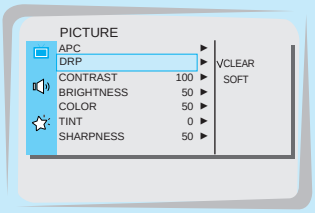
- **This function works in video, component 480i mode.**

Press the **menu** button and then press the **up/down** button to select **PICTURE** menu.
Press the **vol** (►) button.

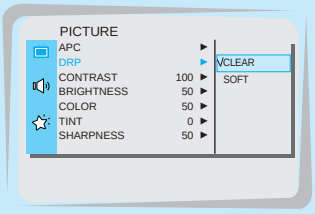


1 Press the **up/down** button to select **DRP** and then press the **vol** (►) button.

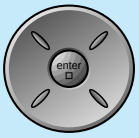




2 Press the **up/down** button to select **CLEAR** or **SOFT**.



3 Press the **enter** button.

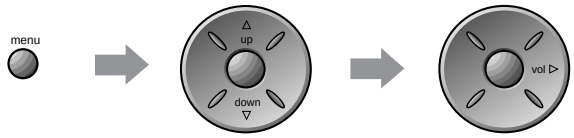


Using the screen option

< Use this option when viewing the video input >

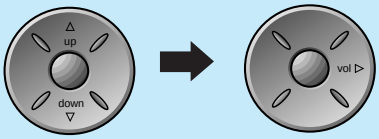
- **This function work only in video mode.**

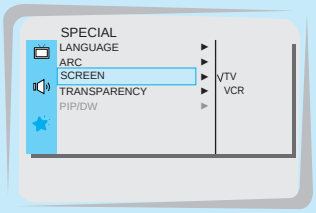
Press the **menu** button and then press the **up/down** button to select **SPECIAL** menu.
Press the **vol** (►) button.



1

Use the **up/down** button to select **SCREEN** and then press the **vol** (►) button.

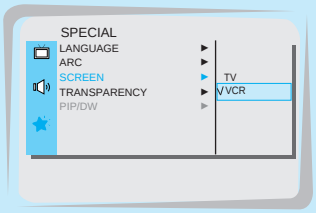




2

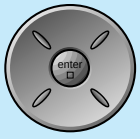
Use the ▲ / ▼ button to select **TV** or **VCR**.

- Select the **VCR** option if watching a VCR.
- Select the **TV** option for other equipment.(Except VCR)
- Each time you press the ▲ / ▼ button you toggle between **TV** and **VCR**.

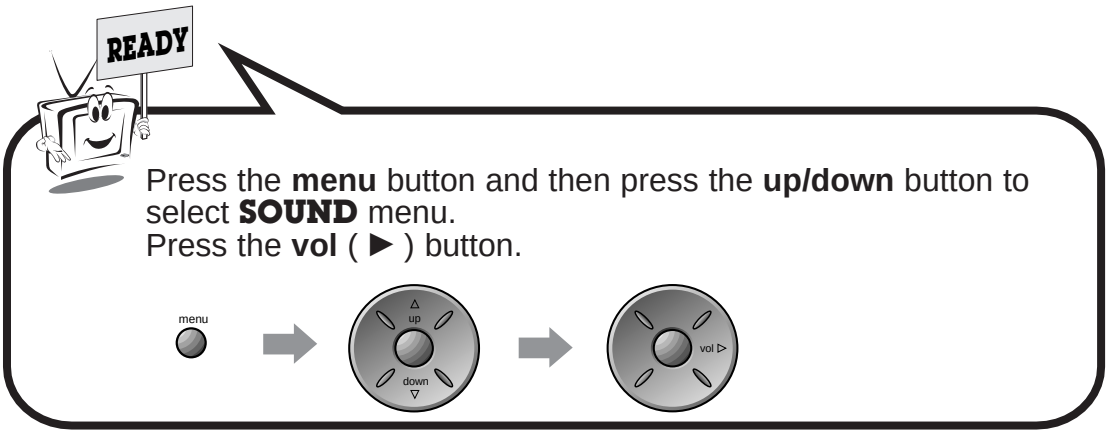


3

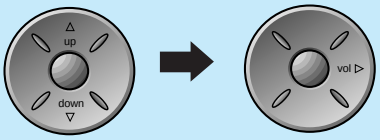
Press the **enter** button to remove menu.

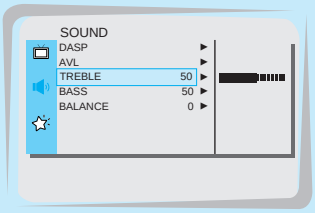


Adjusting sound



1 Use the **up/down** button to select **TREBLE** and then press the **vol** (►) button. (if adjusting treble)

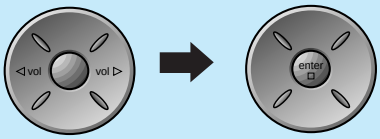


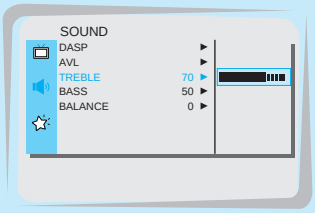


- Adjust **BASS** and **BALANCE** in the same way.

2 Use the **vol** button to make appropriate adjustment and then press the **enter** button to remove menu.

- Press the **up/down** button to select other options.





Auto sound control

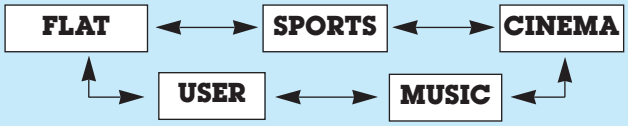
DASP

- This function lets you enjoy the best sound without any special adjustment because the Monitor automatically selects the appropriate sound option based on the program content.

1 Press the **easy sound** button.

2 Press the **easy sound** or **vol** button to select a sound setup.

- Each press of **easy sound** or **vol** button changes the screen display as shown below.

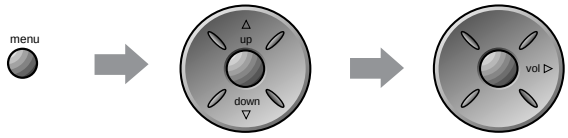


- You can also select **FLAT**, **SPORTS**, **CINEMA**, **MUSIC** or **USER** in the **SOUND** menu.

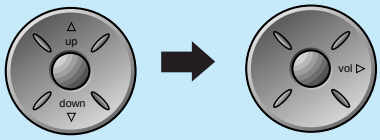
AVL (Auto Volume Leveler)

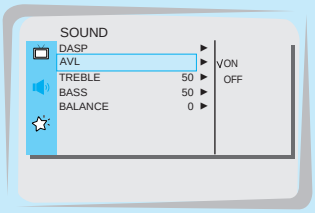
< This feature maintains an equal volume level; even if you change channels. >

Press the **menu** button and then press the **up/down** button to select **SOUND** menu.
Press the **vol** (▶) button.

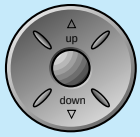


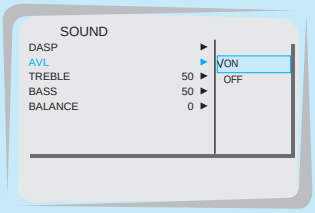
1 Press the **up/down** button to select **AVL** and then press the **vol** (▶) button.



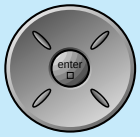


2 Press the **up/down** button to select **ON** or **OFF**.





3 Press the **enter** button to remove menu.



Using Still function

- **This feature isn't available for RGBinput source.**

1 Press the **freeze** button.

- You can still the current picture.
- The sub picture is stilled in PIP or Twin picture mode.

<Moving image>

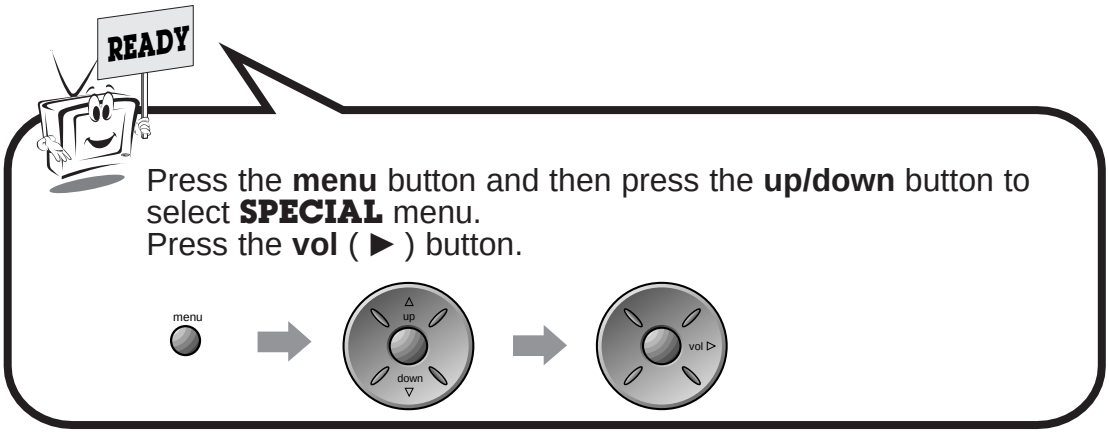
<Still image>

2 To return to normal viewing, press the **freeze** button again.

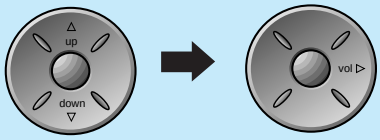
Tips

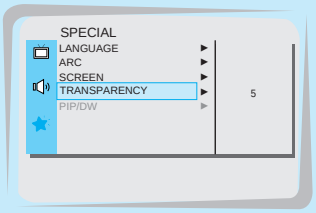
- If still picture is on the screen for more than 5 minutes, the image becomes dark.
  If another function is activated, normal brightness of the screen is restored.
- This feature doesn't work with RGB source.

Adjusting OSD Transparency



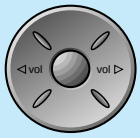
1 Press the **up/down** button to select **TRANSPARENCY** and then press the **vol** (▶) button.

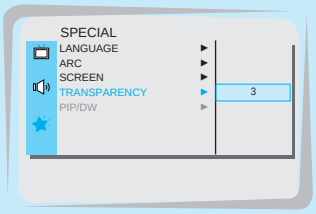




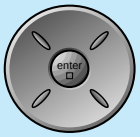
2 Press the **vol** button to adjust OSD transparency.

- The adjustment range of **TRANSPARENCY** is 0 ~ 5.





3 Press the **enter** button to remove menu.



Setting picture format

- **You are available to 16:9 or 4:3 in RGB.**
- **If 4:3 is on the screen for a long time, that fixed image may remain visible.**
- **Don't display 4:3 picture format or TWIN PICTURE on screen above 10 hours continuously.**

Press the **ratio** button to select a desired picture format.

- Each time you press **ratio** or **vol** button, you can select **16:9**, **4:3** or **ZOOM** alternatively.

<16:9>

<4:3>

<Zoom>

- You can also select **16:9**, **4:3** or **ZOOM** in the **ARC** of the **SPECIAL** menu.

Maintenance

- **Early malfunction can be prevented. Careful and regular cleaning can extend the amount of time you will have with your new Monitor. Be sure to turn the power power off and unplug the power cord before you begin any cleaning.**

Cleaning the screen

1. Here's a great way to keep the dust off your screen for a while. Wet a soft cloth in a mixture of lukewarm water and a little fabric softener or dish washing detergent. Wring the cloth until it's almost dry, and then use it to wipe the screen.

2. Make sure the excess water is off the screen, and then let it air-dry before you turn on your Monitor.

Cleaning the cabinet

To remove dirt or dust, wipe the cabinet with a soft, dry, lint-free cloth. Please be sure not to use a wet cloth.

Extended absence

If you leave your Monitor dormant for a long time (such as a vacation), it's a good idea to unplug the power cord to protect against possible damage from lightning or power surges.

Troubleshooting check list

No picture & No sound	• Check whether the Monitor is turned on. • Power cord inserted into wall outlet? • Plug another product's power cord into the wall outlet where the Monitor's power cord was plugged in.
Picture OK & No sound	• Press the **VOLUME** (►) button. • Sound muted? Press MUTE.
The remote control doesn't work	• Check to see if there is any object between the Plasma Display and the remote control causing obstruction. • Check to see if the batteries are installed with the correct polarities. (Refer to p.30) • Install new batteries. (Refer to p.30)
No or Poor color or Poor picture	• Select **COLOR** in the **PICTURE** menu and press the **VOLUME** (►) button. (Refer to p.36) • Increase the distance between the Monitor and the VCR. • Activate any function to restore the brightness of the picture. (If still picture is on the screen for more than 5 minutes, the screen gets dark.)
No output from one of the speakers	• Adjust **BALANCE** in the **SOUND** menu. (Refer to p.39)
Strange sound from the Monitor	• Typical sound due to normal Monitor operation, Monitor is not faulty.

Product specifications

MODEL	DPDP60W
Width (inches)	57.3
Height (inches)	34.8
Depth (inches)	3.9
Weight (pounds)	154.3
Power consumption (watts)	320
Power requirement	AC 120V ~ 60Hz
Resolution	1280 x 720 (Dot)
Color	16,770,000 (256 steps of each R, G and B)
Temperature (In operation)	0 ~ 40°C
Humidity (In operation)	under 80%

- The specifications shown above may be changed without prior notice for quality improvement.

P/NO : 3828VA0277B ⓐ
(NP00KA)